

Executive Summary Report

SMOG CHECK Statewide

April 2007

1. Testing Volume

	Total	Failed	Percent (%) Fail
Initial Test	789,475	99,687	12.63%
Total	918,418	129,043	14.05%

2. Certification Volume

	Cert. Issued	Percent (%) Cert. Issued	No Cert.	Percent (%) No Cert.
Initial Test	673,148	85.27%	116,327	14.73%
Total	766,476	83.46%	151,942	16.54%

2a. Certification Volume (Test Only)

	Cert. Issued	Percent (%) Cert. Issued	No Cert.	Percent (%) No Cert.
Initial Test	392,963	85.21%	68,209	14.79%
Total	451,590	84.14%	85,127	15.86%

3. Initial Test Failures by Failure Type

	Failed	Percent (%) Fail
Gross Polluters	18,198	2.31%
All Emissions	57,359	7.27%
All Visual	11,442	1.45%
All Functional	32,092	4.06%
OBDII	28,260	3.58%
Overall	99,687	12.63%

4. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	G.P.	Percent (%) G.P.
Enhanced	627,532	80,534	12.83%	14,345	2.29%
Partially Enhanced	37,500	5,358	14.29%	944	2.52%
Basic	71,598	8,226	11.49%	1,830	2.56%
Change of Ownership	5,942	841	14.15%	255	4.29%
No Program	3	1	33.33%	0	0.00%
Unknown Program	46,900	4,727	10.08%	824	1.76%
Total Program Area	789,475	99,687	12.63%	18,198	2.31%

5. Initial Test Failures by Station Type

Station Types	All Tests Performed	Failed	Percent (%) Failed	G.P.	Percent (%) G.P.
Test Only	461,172	66,582	14.44%	12,977	2.81%
Regular	277,312	26,537	9.57%	4,035	1.46%
Basic Area Dealer	5,390	288	5.34%	31	0.58%
Gold Shield in Enhanced Area	28,347	3,753	13.24%	618	2.18%
Gold Shield in Basic Area	7,521	1,132	15.05%	258	3.43%
Gold Shield in COO Area	4,260	572	13.43%	172	4.04%
Business Fleet	39	1	2.56%	0	0.00%
Permanent Fleet Registered	121	17	14.05%	2	1.65%
Referee	819	441	53.85%	81	9.89%
Government Fleet	4,494	364	8.10%	24	0.53%
Total	789,475	99,687	12.63%	18,198	2.31%

5.a. Initial Tests at Test-Only Stations

	Initial Tests	Cert. Issued
Volunteers	233,971	206,703
Directed Vehicles	227,201	186,260
Total	461,172	392,963

5.b. Initial Tests at Gold Shield Stations

	Initial Tests	Cert. Issued
Volunteers	39,771	33,860
Directed Vehicles	357	66
Total	40,128	33,926

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6. Initial Tests by Vehicle Model Year

Model Year	Initial Test	Failed Overall	Percent (%) Fail Overall	Percent (%) Fail Emiss.	Percent (%) Fail G.P.	Percent (%) Fail Funct.	Percent (%) Fail Visual	Percent (%) Fail OBDII
1968	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1971	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1972	1	1	100.00%	0.00%	0.00%	100.00%	0.00%	0.00%
1973	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1974	10	4	40.00%	30.00%	30.00%	40.00%	10.00%	0.00%
1975	27	5	18.52%	11.11%	3.70%	7.41%	3.70%	0.00%
1976	1,652	448	27.12%	20.04%	9.62%	13.14%	9.56%	0.00%
1977	2,175	543	24.97%	17.89%	8.60%	14.02%	8.32%	0.00%
1978	2,598	671	25.83%	19.90%	8.97%	12.93%	7.16%	0.00%
1979	2,705	786	29.06%	22.59%	10.79%	15.08%	9.17%	0.00%
1980	1,669	488	29.24%	23.55%	12.70%	15.04%	8.51%	0.00%
1981	2,046	631	30.84%	25.12%	12.27%	15.74%	7.92%	0.00%
1982	2,517	715	28.41%	23.56%	10.21%	13.79%	7.51%	0.00%
1983	3,485	985	28.26%	23.01%	11.36%	14.69%	7.00%	0.00%
1984	6,326	1,900	30.03%	25.23%	12.42%	15.46%	6.91%	0.00%
1985	8,697	2,549	29.31%	24.17%	11.66%	15.33%	6.54%	0.00%
1986	11,781	3,087	26.20%	20.60%	9.37%	13.60%	5.36%	0.00%
1987	14,172	3,902	27.53%	22.47%	9.29%	13.48%	4.59%	0.00%
1988	17,114	4,134	24.16%	19.61%	7.74%	11.57%	4.01%	0.00%
1989	22,181	4,723	21.29%	16.69%	6.03%	10.57%	3.10%	0.00%
1990	26,076	5,293	20.30%	16.28%	5.62%	9.55%	2.39%	0.00%
1991	28,872	5,150	17.84%	14.04%	4.65%	8.19%	1.98%	0.00%
1992	28,835	4,710	16.33%	12.83%	3.99%	7.13%	1.83%	0.00%
1993	33,424	5,946	17.79%	14.58%	3.44%	6.73%	1.69%	0.00%
1994	36,519	5,450	14.92%	11.63%	2.51%	5.80%	1.64%	0.00%
1995	53,481	6,222	11.63%	8.60%	1.74%	4.60%	1.29%	0.00%
1996	32,902	6,024	18.31%	7.17%	1.21%	1.86%	1.14%	12.64%
1997	65,063	7,944	12.21%	4.12%	0.71%	1.13%	0.77%	8.39%
1998	46,220	5,068	10.96%	3.07%	0.51%	0.90%	0.70%	8.01%
1999	86,591	6,088	7.03%	1.42%	0.29%	0.54%	0.45%	5.38%
2000	39,027	3,293	8.44%	1.45%	0.35%	0.70%	0.45%	6.73%
2001	119,912	6,876	5.73%	0.49%	0.13%	0.52%	0.30%	4.83%
2002	18,702	845	4.52%	0.40%	0.13%	0.34%	0.17%	3.63%
2003	21,712	720	3.32%	0.31%	0.08%	0.20%	0.14%	2.55%
2004	7,582	278	3.67%	0.24%	0.09%	0.24%	0.20%	2.73%
2005	5,703	214	3.75%	0.44%	0.05%	0.47%	0.53%	2.58%
2006	6,610	248	3.75%	0.17%	0.05%	0.32%	0.21%	2.97%
2007	3,032	114	3.76%	0.66%	0.07%	0.30%	0.76%	2.74%
2008	11	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Unknown	30,042	3,632	12.09%	6.81%	2.28%	7.30%	1.44%	0.00%
Total Model Year	789,475	99,687	12.63%	7.27%	2.31%	4.06%	1.45%	3.58%

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7. Referee Activity

	Certificates Issued
Certificate of Compliance	655
Certificate of Non Compliance	0
Parts Cost	92
Hardship Extensions	140
Exempt Vehicle	51
Exempted by Directive	141
Parts Exemption	4
Unknown Outcome	0
	1,083

8. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,306
Stations Locked-Out at Least Once	91
Stations Conducted at Least One Test	7,708

9. Active Technicians

		Technician Count	Daily Average
EA	Both Endorsement	10,585	6,170
EA	Gas Endorsement	16	0
EB	Both Endorsement	59	0
EB	Gas Endorsement	563	0
GU	Both Endorsement	20	0

10. Inspections Costs

	ASM Initial Test Count	Avg ASM Inspection Cost	TSI Initial Test Count	Avg TSI Inspection Cost	Total Initial Tests	Overall Average Inspection Cost
Test Only	411,726	48.15	40,803	48.51	452,529	48.18
Test and Repair	191,752	46.86	81,401	44.45	273,153	46.14
Test and Repair Dealer	17	31.12	5,373	46.60	5,390	46.55
Referee	509	30.00	167	30.00	676	30.00
Gold Shield in Enhanced Area	21,020	46.71	7,223	41.67	28,243	45.42
Gold Shield in Basic Area	30	63.47	7,422	34.41	7,452	34.53
Gold Shield in COO Area	258	60.41	4,246	47.93	4,504	48.65

11. Repair Costs

	All Cost Ranges	Repair Count	Average Cost	(All Cost Ranges) Repair Count	(All Cost Ranges) Average Cost
Regular Repairs	\$0-50	7,380	22.34	23,708	200.08
	\$51-150	6,073	100.44		
	\$151-250	3,874	199.35		
	\$251-450	3,916	337.31		
	Over \$450	2,465	760.84		
Cap Repairs	\$0-50	150	26.49	3,375	334.44
	\$51-150	363	107.80		
	\$151-250	590	203.03		
	\$251-450	1,293	343.78		
	Over \$450	979	532.51		
Total Repairs	\$0-50	6,631	22.62	24,697	237.77
	\$51-150	5,241	100.52		
	\$151-250	4,117	199.96		
	\$251-450	5,040	341.30		
	Over \$450	3,668	723.01		

12. CAP Repair Costs

	Total Vehicles	Average Repair Cost
Cap Repairs	3,375	334.44

13. Drill-Through

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Tests	All Emission Tests	All Functional Tests	All Visual Tests
Acceleration Simulation Mode (ASM)	Basic	Referee	1	1	0	1	0	1	1	1

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	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Tests	All Emission Tests	All Functional Tests	All Visual Tests
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	46	12	1	0	5	5	3	1
Acceleration Simulation Mode (ASM)	Basic	Test Only	43	7	2	0	4	4	3	1
Acceleration Simulation Mode (ASM)	Enhanced	Business-Fleet	25	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	48	8	1	0	3	6	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	14,390	2,105	260	120	916	939	553	234
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	116	4	1	61	36	13	2
Acceleration Simulation Mode (ASM)	Enhanced	Permanent Fleet Registered	9	9	1	0	0	9	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	250	260	46	111	46	138	93	139
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	137,017	14,470	1,816	780	5,863	6,669	4,080	1,395
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair Dealer	7	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	334,130	59,158	11,440	3,445	13,865	38,366	19,823	6,736
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	2,253	504	110	22	143	301	152	57
Acceleration Simulation Mode (ASM)	Partial	Referee	8	19	6	10	1	11	10	18
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	16,649	2,869	471	181	720	1,749	949	309
Acceleration Simulation Mode (ASM)	Partial	Test Only	9,182	1,686	294	115	434	1,021	503	207
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,170	226	46	11	80	126	67	22
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	213	11	1	39	159	20	2
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	40	40	7	18	10	17	15	28
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	14,712	1,550	210	88	593	757	391	152
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	11,784	1,718	375	124	571	1,027	472	244

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	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Tests	All Emission Tests	All Functional Tests	All Visual Tests
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	5,296	1,040	236	81	246	464	428	177
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	184	24	5	1	5	10	14	3
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	2,919	502	102	26	160	196	205	58
Two Speed Idle (TSI)	Basic	Government Fleet	0	13	1	0	5	5	2	0
Two Speed Idle (TSI)	Basic	Referee	34	43	12	16	9	18	25	30
Two Speed Idle (TSI)	Basic	Test and Repair	41,743	5,200	1,138	304	1,352	2,260	2,117	692
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,777	233	28	15	84	68	80	29
Two Speed Idle (TSI)	Basic	Test Only	7,120	1,150	305	73	311	568	359	144
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	76	7	4	0	3	5	3	1
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,916	390	131	30	60	235	145	65
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	107	21	5	0	5	8	8	1
Two Speed Idle (TSI)	Change of Ownership	Referee	4	4	1	2	1	1	0	3
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	2,043	280	69	27	70	136	115	42
Two Speed Idle (TSI)	Change of Ownership	Test Only	767	133	45	10	39	71	36	20
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	445	33	4	1	19	7	10	2
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	427	33	7	1	23	8	7	1
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	2,523	308	74	19	115	137	89	40
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	18	6	0	5	7	1	0
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	26	8	1	0	0	4	4	1
Two Speed Idle (TSI)	Enhanced	Referee	48	16	3	6	5	5	3	7
Two Speed Idle (TSI)	Enhanced	Test and Repair	21,267	1,478	210	70	726	425	346	147
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	468	22	2	0	16	3	3	0
Two Speed Idle (TSI)	Enhanced	Test Only	26,622	2,480	470	127	1,124	921	589	232
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	26	6	2	0	0	2	5	1
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	194	21	4	3	4	9	8	4
Two Speed Idle (TSI)	Partial	Test and Repair	1,777	175	37	17	69	62	48	29
Two Speed Idle (TSI)	Partial	Test and Repair Dealer	44	3	1	0	2	1	0	0
Two Speed Idle (TSI)	Partial	Test Only	727	71	19	5	22	30	21	10

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	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Tests	All Emission Tests	All Functional Tests	All Visual Tests
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	389	50	14	5	14	21	18	6
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	1,007	111	26	7	25	54	47	17
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	467	65	17	3	25	27	22	4
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	3	2	1	0	2	0	1
Two Speed Idle (TSI)	Unknown Program	Referee	26	22	6	3	1	16	3	17
Two Speed Idle (TSI)	Unknown Program	Test and Repair	5,606	503	83	23	238	147	136	54
Two Speed Idle (TSI)	Unknown Program	Test Only	2,585	176	27	15	95	49	37	21
UnKnown TestType	Enhanced	Referee	10	10	0	0	0	10	0	10
UnKnown TestType	Unknown Program	Referee	24	24	0	0	0	24	0	24

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